

EP 728378

31547126 Family ID: 1547127
<No. of Patents: 15> <No. of Countries: 8>
<No. of Legal Status: 53>

Patent Basic (No,Kind,Date): CA 2172525 A1 19950518

FLYWHEEL SYSTEM FOR MOBILE ENERGY STORAGE (English)
SYSTEME DE VOLANT POUR STOCKAGE D'ENERGIE MOBILE (French)

Patent Assignee: ROSEN MOTORS LP (US)
Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY
ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
Record Type: Legal Status; Abstract; Cited Refs

Patent Family:

Patent No	Kd Date	Applic No	Kd Date	Wk Added
AU 199510827	A 19950529	AU 199510827	D 19941107	199531

BR 199408005	A	19961203	BR 19948005	A	19941107	199703
CA 2172525	A1	19950518	CA 2172525	A	19941107	199626 (B)
CN 1134765	A	19961030	CN 1994194065	A	19941107	199703
EP 728378	A1	19960828	EP 1995901686	A	19941107	199634
EP 728378	A4	19980304	EP 1995901686	A	19941107	199809
JP 9506310	T	19970624	JP 1995513838	T	19941107	199743
US 5462402	A	19951031	US 1994199897	A	19940222	199546
US 5559381	A	19960924	US 1993148361	A	19931108	199640
US 5566588	A	19961022	US 1994181038	A	19940114	199644
US 5628232	A	19970513	US 1994242647	A	19940513	199721
US 5767595	A	19980616	US 1996637649	A	19960430	199826
US 6144128	A	20001107	US 1997905732	A	19970804	200048
US 6175172	B1	20010116	US 1997905728	A	19970804	200110
WO 1995013647	A1	19950518	WO 1994US11809	A	19941107	199523

Priority Data (No,Kind,Date):

US 1993148361	A	19931108
US 1994181038	A	19940114
US 1994199897	A	19940222
US 1994242647	A	19940513
WO 1994US11809	A	19941107
US 1996637649	A	19960430
US 1997905732	A	19970804
US 1997905728	A	19970804

***** AUSTRALIA (AU) *****

AUSTRALIA (AU) PATENT(S):

Patent (No,Kind,Date): AU 199510827 A 19950529

Flywheel system for mobile energy storage (English)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)

Priority (No,Kind,Date): US 1993148361 A 19931108; US
1994181038
A 19940114; US 1994199897 A 19940222; US 1994242647 A
19940513; WO 1994US11809 A 19941107 *

Applic (No,Kind,Date): AU 199510827 D 19941107

ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;
F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-
009/19;
L60K-006:10B; T02K-007:09

IPC + Level	Value	Position	Status	Version	Action	Source	Office
v. 6	main:	H02K-007/02					
v. 6	:	B60K-006/06					
v. 6	:	B60L-011/16					
v. 6	:	B62M-001/10					
v. 6	:	H02K-047/04					
v. 6	:	H02K-047/14					
v. 8 adv	:	B60K-0006/06	A I	R	20060101	20051008	M EP
v. 8 adv	:	B60K-0006/10	A N	R	20060101	20051008	M EP
v. 8 adv	:	B60K-0008/00	A I L	R	20060101	20060310	M JP
v. 8 adv	:	B60L-0011/16	A I	R	20060101	20051008	M EP
v. 8 adv	:	B62M-0001/10	A I	R	20060101	20051008	M EP

v. 8 adv :	F16F-0015/30	A I	R	20060101	20051008	M	EP
v. 8 adv :	F16F-0015/305	A I	R	20060101	20051008	M	EP
v. 8 adv :	F16F-0015/315	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/02	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/08	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/09	A N	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/18	A I L	R	20060101	20060310	M	JP
v. 8 adv :	H02K-0009/19	A I	R	20060101	20051008	M	EP
v. 8 core:	B60K-0006/00	C I	R	20060101	20051008	M	EP
v. 8 core:	B60K-0008/00	C I L	R	20060101	20060310	M	JP
v. 8 core:	B60L-0011/00	C I	R	20060101	20051008	M	EP
v. 8 core:	B62M-0001/00	C I	R	20060101	20051008	M	EP
v. 8 core:	F16F-0015/30	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/00	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/08	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/09	C N	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/18	C I L	R	20060101	20060310	M	JP
v. 8 core:	H02K-0009/19	C I	R	20060101	20051008	M	EP

Date of Availability: 19950529 Claims only available

Language of Document: English

Update Week: 200742C43 (First Week Added: 199531)

***** BRAZIL (BR) *****

BRAZIL (BR) PATENT(S):

Patent (No,Kind,Date): BR 199408005 A 19961203

Sistema de volante para armazenagem movel de energia (Portuguese)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);

BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)

Priority (No,Kind,Date): US 1993148361 A 19931108; US

1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A

19940513; WO 1994US11809 A 19941107 *

Applic (No,Kind,Date): BR 19948005 A 19941107

ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;

F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-009/19;

L60K-006:10B; T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 6 main: H02K-007/02

v. 6 : B60K-006/06

v. 6 : B60L-011/16

v. 6 : B62M-001/10

v. 6 : H02K-047/04

v. 6 : H02K-047/14

v. 8 adv : B60K-0006/06 A I R 20060101 20051008 M EP

v. 8 adv : B60K-0006/10 A N R 20060101 20051008 M EP

v. 8 adv : B60K-0008/00 A I L R 20060101 20060310 M JP

v. 8 adv : B60L-0011/16 A I R 20060101 20051008 M EP

v. 8 adv : B62M-0001/10 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/30 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/305 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/315 A I R 20060101 20051008 M EP
 v. 8 adv : H02K-0007/02 A I R 20060101 20051008 M EP
 v. 8 adv : H02K-0007/08 A I R 20060101 20051008 M EP
 v. 8 adv : H02K-0007/09 A N R 20060101 20051008 M EP
 v. 8 adv : H02K-0007/18 A I L R 20060101 20060310 M JP
 v. 8 adv : H02K-0009/19 A I R 20060101 20051008 M EP
 v. 8 core: B60K-0006/00 C I R 20060101 20051008 M EP
 v. 8 core: B60K-0008/00 C I L R 20060101 20060310 M JP
 v. 8 core: B60L-0011/00 C I R 20060101 20051008 M EP
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 v. 8 core: F16F-0015/30 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0007/00 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0007/08 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0007/09 C N R 20060101 20051008 M EP
 v. 8 core: H02K-0007/18 C I L R 20060101 20060310 M JP
 v. 8 core: H02K-0009/19 C I R 20060101 20051008 M EP
 Date of Availability: 19961203 Unexamined printed without grant
 Language of Document: Portuguese
 Update Week: 200742C43 (First Week Added: 199703)

BRAZIL (BR) LEGAL STATUS:

Legal Status (Patent No,Kind,Gazette Date,Code,Text):

BR 199408005 A 19991026 BR FB36 (-) TECHNICAL AND FORMAL
 REQUIREMENTS: REQUIREMENT - ARTICLE 36

OF

INDUSTRIAL PROPERTY LAW (EXIGENCIAS

TECNICAS

E FORMAIS: EXIGENCIA: ART. 36 DA LPI)

Last Revised by EPO: 20030101

Update Week: Backfile

BR 199408005 A 20001121 BR FA8 (-) DISMISSAL: DISMISSAL -
 ARTICLE

36, PAR. 1 OF INDUSTRIAL PROPERTY LAW
 (ARQUIVAMENTO: ARQUIVAMENTO - ART. 36

PAR 1

DA LPI)

Last Revised by EPO: 20030101

Update Week: Backfile

***** CANADA (CA) *****

CANADA (CA) PATENT(S):

Patent (No,Kind,Date): CA 2172525 A1 19950518

FLYWHEEL SYSTEM FOR MOBILE ENERGY STORAGE (English)

SYSTEME DE VOLANT POUR STOCKAGE D'ENERGIE MOBILE (French)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);

BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)

Priority (No,Kind,Date): US 1993148361 A 19931108; US

1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A
 19940513

Applic (No,Kind,Date): CA 2172525 A 19941107
ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;
F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-
009/19;

L60K-006:10B; T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 6 main: H02K-007/02

v. 6 : B60K-006/06

v. 6 : B62M-001/10

v. 6 : H02K-047/04

v. 6 : H02K-047/14

v. 8 adv : B60K-0006/06 A I R 20060101 20051008 M EP

v. 8 adv : B60K-0006/10 A N R 20060101 20051008 M EP

v. 8 adv : B60K-0008/00 A I L R 20060101 20060310 M JP

v. 8 adv : B60L-0011/16 A I R 20060101 20051008 M EP

v. 8 adv : B62M-0001/10 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/30 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/305 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/315 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/02 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/08 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/09 A N R 20060101 20051008 M EP

v. 8 adv : H02K-0007/18 A I L R 20060101 20060310 M JP

v. 8 adv : H02K-0009/19 A I R 20060101 20051008 M EP

v. 8 core: B60K-0006/00 C I R 20060101 20051008 M EP

v. 8 core: B60K-0008/00 C I L R 20060101 20060310 M JP

v. 8 core: B60L-0011/00 C I R 20060101 20051008 M EP

v. 8 core: B62M-0001/00 C I R 20060101 20051008 M EP

v. 8 core: F16F-0015/30 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/00 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/08 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/09 C N R 20060101 20051008 M EP

v. 8 core: H02K-0007/18 C I L R 20060101 20060310 M JP

v. 8 core: H02K-0009/19 C I R 20060101 20051008 M EP

Date of Availability: 19950518 Unexamined printed without grant

Language of Document: English; French

Update Week: 200742C43 (First Week Added: 199626)

CANADA (CA) LEGAL STATUS:

Legal Status (Patent No,Kind,Gazette Date,Code,Text):

CA 2172525 A1 19960322 CA AFNE (+) NATIONAL PHASE ENTRY

Last Revised by EPO: 20060413

Update Week: Backfile

CA 2172525 A1 19991108 CA FZDE (-) DEAD

Last Revised by EPO: 20060413

Update Week: Backfile

***** CHINA (CN) *****

CHINA (CN) PATENT(S):

Patent (No,Kind,Date): CN 1134765 A 19961030

Flywheel system for mobile energy storage (English)

Patent Assignee: ROSEN MOTORS LP (US)
Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
Priority (No,Kind,Date): US 1993148361 A 19931108; US
1994181038

A 19940114
Applic (No,Kind,Date): CN 1994194065 A 19941107
IPC + Level Value Position Status Version Action Source Office
v. 6 main: H02K-007/02
v. 6 : B60K-006/06
v. 6 : B60L-011/16
v. 6 : B62M-001/10
v. 6 : H02K-047/04
v. 6 : H02K-047/14
v. 8 adv : B60K-0006/06 A I R 20060101 20051110 M EP
v. 8 adv : B60L-0011/16 A I R 20060101 20051110 M EP
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v. 8 adv : H02K-0007/02 A I R 20060101 20051110 M EP
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v. 8 core: B60K-0006/00 C I R 20060101 20051110 M EP
v. 8 core: B60L-0011/00 C I R 20060101 20051110 M EP
v. 8 core: B62M-0001/00 C I R 20060101 20051110 M EP
v. 8 core: H02K-0007/00 C I R 20060101 20051110 M EP
v. 8 core: H02K-0047/00 C I R 20060101 20051110 M EP
Date of Availability: 19961030 Unexamined printed without grant
Language of Document: Chinese
Update Week: Backfile (First Week Added: 199703)

***** EUROPEAN PATENT OFFICE (EP) *****

EUROPEAN PATENT OFFICE (EP) PATENT(S):

Patent (No,Kind,Date): EP 728378 A1 19960828
FLYWHEEL SYSTEM FOR MOBILE ENERGY STORAGE (English)
SCHWUNGRAD FUR MOBILEN ENERGIESPEICHER (German)
SYSTEME DE VOLANT POUR STOCKAGE D'ENERGIE MOBILE (French)
Patent Assignee: ROSEN MOTORS LP (US)
Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
Priority (No,Kind,Date): US 1993148361 A 19931108; US
1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A
19940513; WO 1994US11809 A 19941107 *
Applic (No,Kind,Date): EP 1995901686 A 19941107
Designated States:
C: AT BE CH DE DK ES FR GB IE IT LI LU NL PT SE
ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;
F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-
009/19;
L60K-006:10B; T02K-007:09
IPC + Level Value Position Status Version Action Source Office
v. 6 main: H02K-007/02
v. 6 : B60K-006/06

v. 6	:	B60L-011/16							
v. 6	:	B62M-001/10							
v. 6	:	H02K-047/04							
v. 6	:	H02K-047/14							
v. 8 adv	:	B60K-0006/06	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	B60K-0006/10	A N	R	20060101	20051008	M	EP	
v. 8 adv	:	B60K-0008/00	A I L	R	20060101	20060310	M	JP	
v. 8 adv	:	B60L-0011/16	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	B62M-0001/10	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	F16F-0015/30	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	F16F-0015/305	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	F16F-0015/315	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/02	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/08	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/09	A N	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/18	A I L	R	20060101	20060310	M	JP	
v. 8 adv	:	H02K-0009/19	A I	R	20060101	20051008	M	EP	
v. 8 core:	:	B60K-0006/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	B60K-0008/00	C I L	R	20060101	20060310	M	JP	
v. 8 core:	:	B60L-0011/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	B62M-0001/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	F16F-0015/30	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/08	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/09	C N	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/18	C I L	R	20060101	20060310	M	JP	
v. 8 core:	:	H02K-0009/19	C I	R	20060101	20051008	M	EP	

Date of Availability: 19960828 Examined printed without grant

Language of Document: English; French; German

Update Week: 200742C43 (First Week Added: 199634)

Patent (No,Kind,Date): EP 728378 A4 19980304

FLYWHEEL SYSTEM FOR MOBILE ENERGY STORAGE (English)

SCHWUNGRAD FÜR MOBILEN ENERGIESPEICHER (German)

SYSTEME DE VOLANT POUR STOCKAGE D'ENERGIE MOBILE (French)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)

Priority (No,Kind,Date): US 1993148361 A 19931108; US

1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A
19940513; WO 1994US11809 A 19941107 *

Applic (No,Kind,Date): EP 1995901686 A 19941107

Designated States:

C: AT BE CH DE DK ES FR GB IE IT LI LU NL PT SE

ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;

F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-
009/19;

L60K-006:10B; T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 6 main: H02K-007/02

v. 6	:	B60K-006/06							
v. 6	:	B60L-011/16							
v. 6	:	B62M-001/10							
v. 6	:	H02K-047/04							
v. 6	:	H02K-047/14							
v. 8 adv	:	B60K-0006/06	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	B60K-0006/10	A N	R	20060101	20051008	M	EP	
v. 8 adv	:	B60K-0008/00	A I L	R	20060101	20060310	M	JP	
v. 8 adv	:	B60L-0011/16	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	B62M-0001/10	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	F16F-0015/30	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	F16F-0015/305	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	F16F-0015/315	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/02	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/08	A I	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/09	A N	R	20060101	20051008	M	EP	
v. 8 adv	:	H02K-0007/18	A I L	R	20060101	20060310	M	JP	
v. 8 adv	:	H02K-0009/19	A I	R	20060101	20051008	M	EP	
v. 8 core:	:	B60K-0006/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	B60K-0008/00	C I L	R	20060101	20060310	M	JP	
v. 8 core:	:	B60L-0011/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	B62M-0001/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	F16F-0015/30	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/08	C I	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/09	C N	R	20060101	20051008	M	EP	
v. 8 core:	:	H02K-0007/18	C I L	R	20060101	20060310	M	JP	
v. 8 core:	:	H02K-0009/19	C I	R	20060101	20051008	M	EP	

Language of Document: English; French; German
Update Week: 200742C43 (First Week Added: 199809)

EUROPEAN PATENT OFFICE (EP) LEGAL STATUS:

Legal Status (Patent No,Kind,Gazette Date,Code,Text):

EP 728378 A1 19960828 EP AK (+) DESIGNATED CONTRACTING STATES:

(BENANNTE VERTRAGSSTAATEN)

Designated States: AT BE CH DE DK ES FR

GB

IE IT LI LU NL PT SE

Last Revised by EPO: 20030101

Update Week: Backfile

EP 728378 A1 19960828 EP 17P (+) REQUEST FOR EXAMINATION FILED

(PRUEFUNGSANTRAG GESTELLT)

Effective Date: 19960525

Last Revised by EPO: 20030101

Update Week: Backfile

EP 728378 A1 19980304 EP AK (+) DESIGNATED CONTRACTING STATES:

(BENANNTE VERTRAGSSTAATEN)

GB

Designated States: AT BE CH DE DK ES FR

IE IT LI LU NL PT SE

Last Revised by EPO: 20030101

Update Week: Backfile

EP 728378 A1 19980304 EP A4 (+) SUPPLEMENTARY SEARCH REPORT
(ERGAENZENDER RECHERCHENBERICHT)
Effective Date: 19980116
Last Revised by EPO: 20030101
Update Week: Backfile

EP 728378 A1 19981104 EP 18D (-) DEEMED TO BE WITHDRAWN (ALS
ZURUECKGENOMMEN GELTEN)
Effective Date: 19980331
Last Revised by EPO: 20030101
Update Week: Backfile

***** JAPAN (JP) *****

JAPAN (JP) PATENT(S):

Patent (No,Kind,Date): JP 9506310 T 19970624
(No title available)

Patent Assignee: ROSEN MOTORS LP (US)
Aut

hor (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
Priority (No,Kind,Date): US 1993148361 A 19931108; US
1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A
19940513; WO 1994US11809 A 19941107 *

Applic (No,Kind,Date): JP 1995513838 T 19941107

ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;

F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-
009/19;

L60K-006:10B; T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 6 main: B60K-006/06

v. 6 : B60K-006/10

v. 6 : B60L-011/16

v. 6 : B62M-001/10

v. 6 : H02K-007/02

v. 6 : H02K-007/18

v. 8 adv : B60K-0006/06 A I R 20060101 20051008 M EP

v. 8 adv : B60K-0006/10 A N R 20060101 20051008 M EP

v. 8 adv : B60K-0008/00 A I L R 20060101 20060310 M JP

v. 8 adv : B60L-0011/16 A I R 20060101 20051008 M EP

v. 8 adv : B62M-0001/10 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/30 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/305 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/315 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/02 A I R 20060101 20051008 M EP

v. 8 adv :	H02K-0007/08	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/09	A N	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/18	A I L	R	20060101	20060310	M	JP
v. 8 adv :	H02K-0009/19	A I	R	20060101	20051008	M	EP
v. 8 core:	B60K-0006/00	C I	R	20060101	20051008	M	EP
v. 8 core:	B60K-0008/00	C I L	R	20060101	20060310	M	JP
v. 8 core:	B60L-0011/00	C I	R	20060101	20051008	M	EP
v. 8 core:	B62M-0001/00	C I	R	20060101	20051008	M	EP
v. 8 core:	F16F-0015/30	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/00	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/08	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/09	C N	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/18	C I L	R	20060101	20060310	M	JP
v. 8 core:	H02K-0009/19	C I	R	20060101	20051008	M	EP

Date of Availability: 19970624 Unexamined printed without grant
Language of Document: Japanese
Update Week: 200733 (First Week Added: 199743)

***** UNITED STATES OF AMERICA (US) *****

UNITED STATES OF AMERICA (US) PATENT(S):

Patent (No,Kind,Date): US 5462402 A 19951031

Flywheel energy storage system with integral molecular pump
(English)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): BAKHOLDIN DANIEL (US); BOSLEY ROBERT W (US);
PEARSON CHRIS C (US)

Priority (No,Kind,Date): US 1994199897 A 19940222

Applic (No,Kind,Date): US 1994199897 A 19940222

National Class: 415 90

ECLA: B60L-011/16; B62M-001/10; F16F-015/305; F16F-015/30D;

F16F-015/315; H02K-005/173; H02K-007/02B; H02K-007/08C; H02K-
009/19;

T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 6 main: F01D-001/36

v. 8 adv : B60K-0006/06 A I R 20060101 20051008 M EP

v. 8 adv : B60L-0011/16 A I R 20060101 20051008 M EP

v. 8 adv : B62M-0001/10 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/30 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/305 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/315 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0005/173 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/02 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/08 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/09 A N R 20060101 20051008 M EP

v. 8 adv : H02K-0009/19 A I R 20060101 20051008 M EP

v. 8 core: B60K-0006/00 C I R 20060101 20051008 M EP

v. 8 core: B60L-0011/00 C I R 20060101 20051008 M EP

v. 8 core: B62M-0001/00 C I R 20060101 20051008 M EP

v. 8 core: F16F-0015/30 C I R 20060101 20051008 M EP

v. 8 core: H02K-0005/173 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/00 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/08 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0007/09 C N R 20060101 20051008 M EP
 v. 8 core: H02K-0009/19 C I R 20060101 20051008 M EP
 Date of Availability: 19951031 Printed with grant
 Language of Document: English
 Update Week: 200732 (First Week Added: 199546)

Patent (No,Kind,Date): US 5559381 A 19960924
 Flywheel support system for mobile energy storage (English)
 Patent Assignee: ROSEN MOTORS LP (US)
 Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
 BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
 Priority (No,Kind,Date): US 1993148361 A 19931108
 Applic (No,Kind,Date): US 1993148361 A 19931108
 National Class: 310 34; X310 905
 ECLA: B60L-011/16; B62M-001/10; F16F-015/305; F16F-015/30D;
 F16F-015/315; H02K-005/173; H02K-007/02B; H02K-007/08C; H02K-
 009/19;

L60K-006:04; T02K-007:09
 IPC + Level Value Position Status Version Action Source Office
 v. 6 main: H02K-007/02
 v. 6 : H02K-007/09
 v. 8 adv : B60K-0006/06 A I R 20060101 20051008 M EP
 v. 8 adv : B60L-0011/16 A I R 20060101 20051008 M EP
 v. 8 adv : B62M-0001/10 A I R 20060101 20051008 M EP
 v. 8 adv : F16F-0015/30 A I R 20060101 20051008 M EP
 v. 8 adv : F16F-0015/305 A I R 20060101 20051008 M EP
 v. 8 adv : F16F-0015/315 A I R 20060101 20051008 M EP
 v. 8 adv : H02K-0005/173 A I R 20060101 20051008 M EP
 v. 8 adv : H02K-0007/02 A I R 20060101 20051008 M EP
 v. 8 adv : H02K-0007/08 A I R 20060101 20051008 M EP
 v. 8 adv : H02K-0007/09 A N R 20060101 20051008 M EP
 v. 8 adv : H02K-0009/19 A I R 20060101 20051008 M EP
 v. 8 core: B60K-0006/00 C I R 20060101 20051008 M EP
 v. 8 core: B60L-0011/00 C I R 20060101 20051008 M EP
 v. 8 core: B62M-0001/00 C I R 20060101 20051008 M EP
 v. 8 core: F16F-0015/30 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0005/173 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0007/00 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0007/08 C I R 20060101 20051008 M EP
 v. 8 core: H02K-0007/09 C N R 20060101 20051008 M EP
 v. 8 core: H02K-0009/19 C I R 20060101 20051008 M EP
 Date of Availability: 19960924 Printed with grant
 Language of Document: English
 Update Week: 200732 (First Week Added: 199640)

Patent (No,Kind,Date): US 5566588 A 19961022
 Flywheel rotor with conical hub and methods of manufacture
 therefor
 (English)
 Patent Assignee: ROSEN MOTORS LP (US)
 Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);

BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
 Priority (No,Kind,Date): US 1994181038 A 19940114
 Applic (No,Kind,Date): US 1994181038 A 19940114
 National Class: 74572; X310 74
 ECLA: B60L-011/16; B62M-001/10; F16F-015/305; F16F-015/30D;
 F16F-015/315; H02K-005/173; H02K-007/02B; H02K-007/08C; H02K-
 009/19;
 T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 6 main:	H05K-005/04							
v. 6	:	H05K-007/02						
v. 8 adv :	B60K-0006/06	A I	R	20060101	20051008	M	EP	
v. 8 adv :	B60L-0011/16	A I	R	20060101	20051008	M	EP	
v. 8 adv :	B62M-0001/10	A I	R	20060101	20051008	M	EP	
v. 8 adv :	F16F-0015/30	A I	R	20060101	20051008	M	EP	
v. 8 adv :	F16F-0015/305	A I	R	20060101	20051008	M	EP	
v. 8 adv :	F16F-0015/315	A I	R	20060101	20051008	M	EP	
v. 8 adv :	H02K-0005/173	A I	R	20060101	20051008	M	EP	
v. 8 adv :	H02K-0007/02	A I	R	20060101	20051008	M	EP	
v. 8 adv :	H02K-0007/08	A I	R	20060101	20051008	M	EP	
v. 8 adv :	H02K-0007/09	A N	R	20060101	20051008	M	EP	
v. 8 adv :	H02K-0009/19	A I	R	20060101	20051008	M	EP	
v. 8 core:	B60K-0006/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	B60L-0011/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	B62M-0001/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	F16F-0015/30	C I	R	20060101	20051008	M	EP	
v. 8 core:	H02K-0005/173	C I	R	20060101	20051008	M	EP	
v. 8 core:	H02K-0007/00	C I	R	20060101	20051008	M	EP	
v. 8 core:	H02K-0007/08	C I	R	20060101	20051008	M	EP	
v. 8 core:	H02K-0007/09	C N	R	20060101	20051008	M	EP	
v. 8 core:	H02K-0009/19	C I	R	20060101	20051008	M	EP	

Date of Availability: 19961022 Printed with grant

Language of Document: English

Update Week: 200732 (First Week Added: 199644)

Patent (No,Kind,Date): US 5628232 A 19970513
 Flywheel rotor with conical hub and methods of manufacture
 therefor
 (English)

Patent Assignee: ROSEN MOTORS LP (US)
 Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
 BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
 Priority (No,Kind,Date): US 1994181038 A 19940114; US
 1994242647

A 19940513 *
 Applic (No,Kind,Date): US 1994242647 A 19940513
 National Class: 74572; X 74573 R; X 74574
 ECLA: B60L-011/16; B62M-001/10; F16F-015/305; F16F-015/30D;
 F16F-015/315; H02K-005/173; H02K-007/02B; H02K-007/08C; H02K-
 009/19;
 T02K-007:09

IPC	Level	Value	Position	Status	Version	Action	Source	Office
v. 6	main:	G05G-001/00						
v. 8	adv :	B60K-0006/06		A I	R	20060101	20051008	M EP
v. 8	adv :	B60L-0011/16		A I	R	20060101	20051008	M EP
v. 8	adv :	B62M-0001/10		A I	R	20060101	20051008	M EP
v. 8	adv :	F16F-0015/30		A I	R	20060101	20051008	M EP
v. 8	adv :	F16F-0015/305		A I	R	20060101	20051008	M EP
v. 8	adv :	F16F-0015/315		A I	R	20060101	20051008	M EP
v. 8	adv :	H02K-0005/173		A I	R	20060101	20051008	M EP
v. 8	adv :	H02K-0007/02		A I	R	20060101	20051008	M EP
v. 8	adv :	H02K-0007/08		A I	R	20060101	20051008	M EP
v. 8	adv :	H02K-0007/09		A N	R	20060101	20051008	M EP
v. 8	adv :	H02K-0009/19		A I	R	20060101	20051008	M EP
v. 8	core:	B60K-0006/00		C I	R	20060101	20051008	M EP
v. 8	core:	B60L-0011/00		C I	R	20060101	20051008	M EP
v. 8	core:	B62M-0001/00		C I	R	20060101	20051008	M EP
v. 8	core:	F16F-0015/30		C I	R	20060101	20051008	M EP
v. 8	core:	H02K-0005/173		C I	R	20060101	20051008	M EP
v. 8	core:	H02K-0007/00		C I	R	20060101	20051008	M EP
v. 8	core:	H02K-0007/08		C I	R	20060101	20051008	M EP
v. 8	core:	H02K-0007/09		C N	R	20060101	20051008	M EP
v. 8	core:	H02K-0009/19		C I	R	20060101	20051008	M EP

Date of Availability: 19970513 Printed with grant

Language of Document: English

Update Week: 200732 (First Week Added: 199721)

Patent (No,Kind,Date): US 5767595 A 19980616

Flywheel system for mobile energy storage (English)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)

Priority (No,Kind,Date): US 1993148361 A 19931108; US

1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A
19940513; WO 1994US11809 A 19941107 *; US 1996637649 A
19960430 *

Applic (No,Kind,Date): US 1996637649 A 19960430

National Class: 310 74; X310 58; X310 64; X310 905

ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;

F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-
009/19;

L60K-006:10B; T02K-007:09

IPC	Level	Value	Position	Status	Version	Action	Source	Office
v. 6	main:	H02K-007/02						
v. 6	:	H02K-007/09						
v. 6	:	H02K-009/19						
v. 6	:	H02K-009/22						
v. 8	adv :	B60K-0006/06		A I	R	20060101	20051008	M EP
v. 8	adv :	B60K-0006/10		A N	R	20060101	20051008	M EP
v. 8	adv :	B60K-0008/00		A I L	R	20060101	20060310	M JP
v. 8	adv :	B60L-0011/16		A I	R	20060101	20051008	M EP
v. 8	adv :	B62M-0001/10		A I	R	20060101	20051008	M EP

v. 8 adv :	F16F-0015/30	A I	R	20060101	20051008	M	EP
v. 8 adv :	F16F-0015/305	A I	R	20060101	20051008	M	EP
v. 8 adv :	F16F-0015/315	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/02	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/08	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/09	A N	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/18	A I L	R	20060101	20060310	M	JP
v. 8 adv :	H02K-0009/19	A I	R	20060101	20051008	M	EP
v. 8 core:	B60K-0006/00	C I	R	20060101	20051008	M	EP
v. 8 core:	B60K-0008/00	C I L	R	20060101	20060310	M	JP
v. 8 core:	B60L-0011/00	C I	R	20060101	20051008	M	EP
v. 8 core:	B62M-0001/00	C I	R	20060101	20051008	M	EP
v. 8 core:	F16F-0015/30	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/00	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/08	C I	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/09	C N	R	20060101	20051008	M	EP
v. 8 core:	H02K-0007/18	C I L	R	20060101	20060310	M	JP
v. 8 core:	H02K-0009/19	C I	R	20060101	20051008	M	EP

Date of Availability: 19980616 Printed with grant

Language of Document: English

Update Week: 200742C43 (First Week Added: 199826)

Patent (No,Kind,Date): US 6144128 A 20001107

Safety system for flywheel system for mobile energy storage
(English)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): ROSEN HAROLD A (US)

Priority (No,Kind,Date): US 1993148361 A 19931108; US
1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A
19940513; US 1996637649 A 19960430; US 1997905732 A
19970804

*

Applic (No,Kind,Date): US 1997905732 A 19970804

National Class: 310 74

ECLA: B60L-011/16; B62M-001/10; F16F-015/305; F16F-015/30D;
F16F-015/315; H02K-005/173; H02K-007/02B; H02K-007/08C; H02K-
009/19;

L60K-006:10B; T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 7 main: H02K-007/02

v. 8 adv :	B60K-0006/06	A I	R	20060101	20051008	M	EP
v. 8 adv :	B60K-0006/10	A N	R	20060101	20051008	M	EP
v. 8 adv :	B60L-0011/16	A I	R	20060101	20051008	M	EP
v. 8 adv :	B62M-0001/10	A I	R	20060101	20051008	M	EP
v. 8 adv :	F16F-0015/30	A I	R	20060101	20051008	M	EP
v. 8 adv :	F16F-0015/305	A I	R	20060101	20051008	M	EP
v. 8 adv :	F16F-0015/315	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0005/173	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/02	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/08	A I	R	20060101	20051008	M	EP
v. 8 adv :	H02K-0007/09	A N	R	20060101	20051008	M	EP

v. 8 adv :	H02K-0009/19	A I	R	20060101	20051008	M EP
v. 8 core:	B60K-0006/00	C I	R	20060101	20051008	M EP
v. 8 core:	B60L-0011/00	C I	R	20060101	20051008	M EP
v. 8 core:	B62M-0001/00	C I	R	20060101	20051008	M EP
v. 8 core:	F16F-0015/30	C I	R	20060101	20051008	M EP
v. 8 core:	H02K-0005/173	C I	R	20060101	20051008	M EP
v. 8 core:	H02K-0007/00	C I	R	20060101	20051008	M EP
v. 8 core:	H02K-0007/08	C I	R	20060101	20051008	M EP
v. 8 core:	H02K-0007/09	C N	R	20060101	20051008	M EP
v. 8 core:	H02K-0009/19	C I	R	20060101	20051008	M EP

Date of Availability: 20001107 Printed with grant

Language of Document: English

Update Week: 200733 (First Week Added: 200048)

Patent (No,Kind,Date): US 6175172 B1 20010116

Hub and cylinder design for flywheel system for mobile energy storage

(English)

Patent Assignee: ROSEN MOTORS LP (US)

Author (Inventor): BAKHOLDIN DANIEL (US); BOSLEY ROBERT W (US);

ROSEN HAROLD A (US); PEARSON CHRIS C (US); PANO SCOTT B (US)

Priority (No,Kind,Date): US 1993148361 A 19931108; US

1994181038

A 19940114; US 1994199897 A 19940222; US 1994242647 A

19940513; US 1996637649 A 19960430; US 1997905728 A

19970804

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Applic (No,Kind,Date): US 1997905728 A 19970804

National Class: 74572; 310 74

ECLA: B60L-011/16; B62M-001/10; F16F-015/305; F16F-015/30D;

F16F-015/315; H02K-005/173; H02K-007/02B; H02K-007/08C; H02K-009/19;

L60K-006:10B; T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 7 main: H02K-007/02

v. 8 adv :	B60K-0006/06	A I	R	20060101	20051008	M EP
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v. 8 adv :	B60K-0006/10	A N	R	20060101	20051008	M EP
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v. 8 adv :	B60L-0011/16	A I	R	20060101	20051008	M EP
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v. 8 adv :	B62M-0001/10	A I	R	20060101	20051008	M EP
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v. 8 adv :	F16F-0015/30	A I	R	20060101	20051008	M EP
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v. 8 adv :	F16F-0015/305	A I	R	20060101	20051008	M EP
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v. 8 adv :	F16F-0015/315	A I	R	20060101	20051008	M EP
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v. 8 adv :	H02K-0005/173	A I	R	20060101	20051008	M EP
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v. 8 adv :	H02K-0007/02	A I	R	20060101	20051008	M EP
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v. 8 adv :	H02K-0007/08	A I	R	20060101	20051008	M EP
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v. 8 adv :	H02K-0007/09	A N	R	20060101	20051008	M EP
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v. 8 adv :	H02K-0009/19	A I	R	20060101	20051008	M EP
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v. 8 core:	B60K-0006/00	C I	R	20060101	20051008	M EP
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v. 8 core:	B60L-0011/00	C I	R	20060101	20051008	M EP
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v. 8 core:	B62M-0001/00	C I	R	20060101	20051008	M EP
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v. 8 core:	F16F-0015/30	C I	R	20060101	20051008	M EP
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v. 8 core:	H02K-0005/173	C I	R	20060101	20051008	M EP
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v. 8 core: H02K-0007/00 C I R 20060101 20051008 M EP
v. 8 core: H02K-0007/08 C I R 20060101 20051008 M EP
v. 8 core: H02K-0007/09 C N R 20060101 20051008 M EP
v. 8 core: H02K-0009/19 C I R 20060101 20051008 M EP
Date of Availability: 20010116 Printed with grant
Language of Document: English
Update Week: 200733 (First Week Added: 200110)

UNITED STATES OF AMERICA (US) LEGAL STATUS:

Legal Status (Patent No,Kind,Gazette Date,Code,Text):

US 5462402 A 19940222 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): ROSEN MOTORS L.P. 6025

YOLANDA

AVENUE TARZANA, CAL
Effective Date: 19940216
Last Revised by EPO: 20030101
Update Week: Backfile

US 5462402 A 19940222 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): BOSLEY, ROBERT W.
Effective Date: 19940216
Last Revised by EPO: 20030101
Update Week: Backfile

US 5462402 A 19940222 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): PEARSON, CHRIS C.
Effective Date: 19940217
Last Revised by EPO: 20030101
Update Week: Backfile

US 5462402 A 19940222 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): BAKHOLDIN, DANIEL

Effective Date: 19940216

Last Revised by EPO: 20030101
Update Week: Backfile

US 5462402 A 20020726 US AS ASSIGNMENT
Assignee(s): PENTADYNE POWER
CORPORATION

11013 OLINDA STREET SU
Effective Date: 20020716
Last Revised by EPO: 20041118
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS,
L.P.;REEL/FRAME:013117/0574
Update Week: Backfile

US	5462402	A	20020726	US AS	ASSIGNMENT
				Assignee(s):	PENTADYNE POWER
CORPORATION					
				11013 OLINDA STREETSUN	
				Effective Date:	20020716
				Last Revised by EPO:	20051208
				Notes:	ASSIGNMENT OF ASSIGNORS
				INTEREST;ASSIGNOR:ROSEN MOTORS, L.P.	
				/AR;REEL/FRAME:013117/0574	
				Update Week:	Backfile
US	5559381	A	19931108	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST	
YOLANDA				Assignee(s):	ROSEN MOTORS L.P. 6025
				AVENUE TARZANA, CAL	
				Effective Date:	19931105
				Last Revised by EPO:	20030101
				Update Week:	Backfile
US	5559381	A	19931108	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST	
				Assignee(s):	BOSELY, ROBERT W.
				Effective Date:	19931105
				Last Revised by EPO:	20030101
				Update Week:	Backfile
US	5559381	A	19931108	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST	
				Assignee(s):	ROSEN, HAROLD A.
				Effective Date:	19931105
				Last Revised by EPO:	20030101
				Update Week:	Backfile
US	5559381	A	19940204	US AS99	OTHER ASSIGNMENTS
				Last Revised by EPO:	20030101
AVENUE				Notes:	ROSEN MOTORS L.P. 6025 YOLANDA
				TARZANA, CA 91356 * BOSLEY, ROBERT W. :	
OTHER				19931105; ROSEN, HAROLD A. :	19931105
ASSIGNOR'S				CASES: NONE; RE-RECORD TO CORRECT	
				NAME ON A PREVIOUSLY RECORDE	
				Update Week:	Backfile
US	5559381	A	20020726	US AS	ASSIGNMENT
				Assignee(s):	PENTADYNE POWER
CORPORATION					
				11013 OLIDA STREET SUN	
				Effective Date:	20020716
				Last Revised by EPO:	20041118

Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS,
L.P.;REEL/FRAME:013117/0572
Update Week: Backfile

US 5559381 A 20020726 US AS ASSIGNMENT
Assignee(s): PENTADYNE POWER
CORPORATION
11013 OLIDA STREETSUN
Effective Date: 20020716
Last Revised by EPO: 20051208
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS, L.P.
/AR;REEL/FRAME:013117/0572
Update Week: Backfile

US 5566588 A 19940114 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): ROSEN MOTORS L.P. 6025
YOLANDA
AVENUE TARZANA, CAL
Effective Date: 19940113
Last Revised by EPO: 20030101
Update Week: Backfile

US 5566588 A 19940114 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): BAKHOLDIN, DANIEL
Effective Date: 19940113
Last Revised by EPO: 20030101
Update Week: Backfile

US 5566588 A 19940114 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): BOSLEY, ROBERT W.
Effective Date: 19940113
Last Revised by EPO: 20030101
Update Week: Backfile

US 5566588 A 19940114 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): ROSEN, HAROLD A.
Effective Date: 19940113
Last Revised by EPO: 20030101
Update Week: Backfile

US 5566588 A 20020726 US AS ASSIGNMENT
Assignee(s): PENTADYNE POWER
CORPORATION
11013 OLINDA STREET SU
Effective Date: 20020716
Last Revised by EPO: 20041118

Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS,
L.P.;REEL/FRAME:013117/0554
Update Week: Backfile

US 5566588 A 20020726 US AS ASSIGNMENT
Assignee(s): PENTADYNE POWER
CORPORATION
11013 OLINDA STREETSUN
Effective Date: 20020716
Last Revised by EPO: 20051208
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS, L.P.
/AR;REEL/FRAME:013117/0554
Update Week: Backfile

US 5628232 A 19940513 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): ROSEN MOTORS L.P. 6025
YOLANDA
AVENUE TARZANA, CAL
Effective Date: 19940512
Last Revised by EPO: 20030101
Update Week: Backfile

US 5628232 A 19940513 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): BAKHOLDIN, DANIEL
Effective Date: 19940512
Last Revised by EPO: 20030101
Update Week: Backfile

US 5628232 A 19940513 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): BOSLEY, ROBERT W.
Effective Date: 19940512
Last Revised by EPO: 20030101
Update Week: Backfile

US 5628232 A 19940513 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): ROSEN, HAROLD A.
Effective Date: 19940512
Last Revised by EPO: 20030101
Update Week: Backfile

US 5628232 A 19940513 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
Assignee(s): GRAYER, WILLIAM
Effective Date: 19940512
Last Revised by EPO: 20030101
Update Week: Backfile

US	5628232	A	20020726	US AS	ASSIGNMENT
				Assignee(s):	PENTADYNE POWER
CORPORATION					
				11013 OLINDA STREET SU	
				Effective Date: 20020716	
				Last Revised by EPO: 20041118	
				Notes: ASSIGNMENT OF ASSIGNORS	
				INTEREST;ASSIGNOR:ROSEN MOTORS,	
				L.P.;REEL/FRAME:013117/0568	
				Update Week: Backfile	
US	5628232	A	20020726	US AS	ASSIGNMENT
				Assignee(s):	PENTADYNE POWER
CORPORATION					
				11013 OLINDA STREETSUN	
				Effective Date: 20020716	
				Last Revised by EPO: 20051208	
				Notes: ASSIGNMENT OF ASSIGNORS	
				INTEREST;ASSIGNOR:ROSEN MOTORS, L.P.	
				/AR;REEL/FRAME:013117/0568	
				Update Week: Backfile	
US	5767595	A	19960927	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST	
				Assignee(s): ROSEN MOTORS L.P. 6430	
				INDEPENDENCE AVENUE WOODLAN	
				Effective Date: 19960329	
				Last Revised by EPO: 20030101	
				Update Week: Backfile	
US	5767595	A	19960927	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST	
				Assignee(s): BAKHOLDIN, DANIEL	
				Effective Date: 19960329	
				Last Revised by EPO: 20030101	
				Update Week: Backfile	
US	5767595	A	19960927	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST	
				Assignee(s): BOSLEY, ROBERT W.	
				Effective Date: 19960329	
				Last Revised by EPO: 20030101	
				Update Week: Backfile	
US	5767595	A	19960927	US AS02	ASSIGNMENT OF ASSIGNOR'S
				INTEREST	
				Assignee(s): ROSEN, HAROLD A.	
				Effective Date: 19960329	
				Last Revised by EPO: 20030101	
				Update Week: Backfile	
US	5767595	A	19960927	US AS02	ASSIGNMENT OF ASSIGNOR'S

INTEREST

Assignee(s): PEARSON, CHRIS C.
Effective Date: 19960329
Last Revised by EPO: 20030101
Update Week: Backfile

US 5767595 A 19960927 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST

Assignee(s): P
Effective Date: 19960329
Last Revised by EPO: 20030101
Update Week: Backfile

US 5767595 A 20020726 US AS ASSIGNMENT
CORPORATION Assignee(s): PENTADYNE POWER

11013 OLINDA STREET SU
Effective Date: 20020716
Last Revised by EPO: 20041118
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS,
L.P.;REEL/FRAME:013117/0566
Update Week: Backfile

US 5767595 A 20020726 US AS ASSIGNMENT
CORPORATION Assignee(s): PENTADYNE POWER

11013 OLINDA STREETSUN
Effective Date: 20020716
Last Revised by EPO: 20051208
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS, L.P.
/AR;REEL/FRAME:013117/0566
Update Week: Backfile

US 6144128 A 20020726 US AS ASSIGNMENT
CORPORATION Assignee(s): PENTADYNE POWER

11013 OLINDA STREET SU
Effective Date: 20020716
Last Revised by EPO: 20041118
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS,
L.P.;REEL/FRAME:013117/0506
Update Week: Backfile

US 6144128 A 20020726 US AS ASSIGNMENT
CORPORATION Assignee(s): PENTADYNE POWER

11013 OLINDA STREETSUN
Effective Date: 20020716
Last Revised by EPO: 20051208

Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS, L.P.
/AR;REEL/FRAME:013117/0506
Update Week: Backfile

US 6175172 B1 20020726 US AS ASSIGNMENT
Assignee(s): PENTADYNE POWER
CORPORATION
11013 OLINDA STREET SU
Effective Date: 20020716
Last Revised by EPO: 20041118
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS,
L.P.;REEL/FRAME:013117/0504
Update Week: Backfile

US 6175172 B1 20020726 US AS ASSIGNMENT
Assignee(s): PENTADYNE POWER
CORPORATION
11013 OLINDA STREETSUN
Effective Date: 20020716
Last Revised by EPO: 20051208
Notes: ASSIGNMENT OF ASSIGNORS
INTEREST;ASSIGNOR:ROSEN MOTORS, L.P.
/AR;REEL/FRAME:013117/0504
Update Week: Backfile

**** WORLD INTELLECTUAL PROPERTY ORG PCT (WO) ****
WORLD INTELLECTUAL PROPERTY ORG PCT (WO) PATENT(S):
Patent (No,Kind,Date): WO 1995013647 A1 19950518
FLYWHEEL SYSTEM FOR MOBILE ENERGY STORAGE (English)
SYSTEME DE VOLANT POUR STOCKAGE D'ENERGIE MOBILE (French)
Patent Assignee: ROSEN MOTORS LP (US); ROSEN HAROLD A (US);
BAKHOLDIN DANIEL (US); BOSLEY ROBERT W (US); PEARSON CHRIS C
(US);
PANO SCOTT B (US)
Author (Inventor): ROSEN HAROLD A (US); BAKHOLDIN DANIEL (US);
BOSLEY ROBERT W (US); PEARSON CHRIS C (US); PANO SCOTT B (US)
Priority (No,Kind,Date): US 1993148361 A 19931108; US
1994181038
A 19940114; US 1994199897 A 19940222; US 1994242647 A
19940513
Applic (No,Kind,Date): WO 1994US11809 A 19941107
Designated States:
AP: KE MW SD SZ
EP: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
NA: AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE
KG KP
KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK
TJ TT
UA US UZ VN

OA: BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Filing Details: Filing Language: English; Extended Kind(s):
100000

ECLA: B60K-006/48; B60L-011/16; B62M-001/10; F16F-015/305;
F16F-015/30D; F16F-015/315; H02K-007/02B; H02K-007/08C; H02K-
009/19;

L60K-006:10B; T02K-007:09

IPC + Level Value Position Status Version Action Source Office

v. 6 main: H02K-007/02

v. 6 : B60K-006/06

v. 6 : B60L-011/16

v. 6 : B62M-001/10

v. 6 : H02K-047/04

v. 6 : H02K-047/14

v. 8 adv : B60K-0006/06 A I R 20060101 20051008 M EP

v. 8 adv : B60K-0006/10 A N R 20060101 20051008 M EP

v. 8 adv : B60K-0008/00 A I L R 20060101 20060310 M JP

v. 8 adv : B60L-0011/16 A I R 20060101 20051008 M EP

v. 8 adv : B62M-0001/10 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/30 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/305 A I R 20060101 20051008 M EP

v. 8 adv : F16F-0015/315 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/02 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/08 A I R 20060101 20051008 M EP

v. 8 adv : H02K-0007/09 A N R 20060101 20051008 M EP

v. 8 adv : H02K-0007/18 A I L R 20060101 20060310 M JP

v. 8 adv : H02K-0009/19 A I R 20060101 20051008 M EP

v. 8 core: B60K-0006/00 C I R 20060101 20051008 M EP

v. 8 core: B60K-0008/00 C I L R 20060101 20060310 M JP

v. 8 core: B60L-0011/00 C I R 20060101 20051008 M EP

v. 8 core: B62M-0001/00 C I R 20060101 20051008 M EP

v. 8 core: F16F-0015/30 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/00 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/08 C I R 20060101 20051008 M EP

v. 8 core: H02K-0007/09 C N R 20060101 20051008 M EP

v. 8 core: H02K-0007/18 C I L R 20060101 20060310 M JP

v. 8 core: H02K-0009/19 C I R 20060101 20051008 M EP

Date of Availability: 19950518 Examined printed without grant

Language of Document: English; French; German

Update Week: 200742C43 (First Week Added: 199523)

WORLD INTELLECTUAL PROPERTY ORG PCT (WO) LEGAL STATUS:

Legal Status (Patent No,Kind,Gazette Date,Code,Text):

WO 1995013647 A1 19950518 WO AK (+) DESIGNATED STATES

Designated States: AM AT AU BB BG BR BY

CA

CH CN CZ DE DK ES FI GB GE HU JP KE KG

KP KR

KZ LK LT LU LV MD MG MN MW NL NO NZ PL

PT RO

RU SD SE SI SK TJ TT UA US UZ VN

Last Revised by EPO: 20030101

Update Week: Backfile

WO 1995013647 A1 19950518 WO AL (+) DESIGNATED COUNTRIES FOR
REGIONAL PATENTS
Designated States: KE MW SD SZ AT BE CH
DE
DK ES FR GB GR IE IT LU MC NL PT SE BF
BJ CF
CG CI CM GA GN ML MR NE SN TD TG
Last Revised by EPO: 20030101
Update Week: Backfile

WO 1995013647 A1 19950706 WO DFPE REQUEST FOR PRELIMINARY
EXAMINATION FILED PRIOR TO EXPIRATION OF
19TH
MONTH FROM PRIORITY DATE (PCT
APPLICATION
FILED BEFORE 20040101)
Last Revised by EPO: 20030101
Update Week: Backfile

WO 1995013647 A1 19950823 WO 121 EP: THE EPO HAS BEEN
INFORMED
BY WIPO THAT EP WAS DESIGNATED IN THIS
APPLICATION
Last Revised by EPO: 20030101
Update Week: Backfile

WO 1995013647 A1 19960322 WO ENP ENTRY INTO THE NATIONAL
PHASE
IN:
Ref Country: CA
Last Revised by EPO: 20030101
Update Week: Backfile

WO 1995013647 A1 19960430 WO ENP ENTRY INTO THE NATIONAL
PHASE
IN:
Ref Country: US
Last Revised by EPO: 20030101

Update Week: Backfile

WO 1995013647 A1 19960822 WO REG/DE 8642 REFERENCE TO
NATIONAL
CODE
Last Revised by EPO: 20030101
Update Week: Backfile